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AMENDMENT TRANSMITTAL LETTER		DOCKET NUMBER: P-UW 3570	
SERIAL NO: 09/323,738 Conf. No.: 9582	FILING DATE: June 1, 1999	EXAMINER: G. Ewoldt	GROUP ART UNIT: 1644
INVENTION: COMPOSITIONS AND METHODS FOR TREATING DIABETES			

TO COMMISSIONER FOR PATENTS

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Box AF, Washington, D.C., 20231 on December 3, 2002.

By: John T. Murphy Reg. No. 50,583

December 3, 2002
Date of Signature

Transmitted herewith is Response to Office Action mailed June 3, 2002, with Appendix A and Exhibits A, B, C and D, in the above-identified application.

Small Entity status of this application has been established under 37 CFR 1.27 August 24, 1999.

Petition for Extension of Time is enclosed (in duplicate).

Terminal Disclaimer with fee under 37 C.F.R. 1.20(d) is enclosed.

Notice of Appeal (in duplicate).

No additional claims fee is required.

An additional claims fee is required and has been calculated as shown below:

CLAIMS AS AMENDED

	NUMBER AFTER AMEND- MENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	NUMBER OF EXTRA CLAIMS PRESENTED	RATE		FEE	
				SMALL ENTITY	OTHER ENTITY	SMALL ENTITY	OTHER ENTITY
TOTAL CLAIMS	40	-	40	-	0	x \$9	\$18
INDEPENDENT CLAIMS	4	-	4	-	0	x \$42	\$84
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM		YES	X NO		\$140	\$280	
				TOTAL ADDITIONAL FEE		\$0.00	\$

* If the "HIGHEST NUMBER PREVIOUSLY PAID FOR" is less than 20, write "20" in this space.

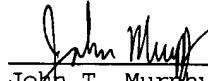
** If the "HIGHEST NUMBER PREVIOUSLY PAID FOR" is less than 3, write "3" in this space.

*** If the difference between the "NUMBER AFTER AMENDMENT" and the "HIGHEST NUMBER PREVIOUSLY PAID FOR" is less than 0, write "0" in the space.

Inventors: Osborne and Ramesh
Serial No.: 09/323,738
Filed: June 1, 1999
Page 2

- Please charge my Deposit Account No. 03-0370 the amount of \$_____. A duplicate copy of this sheet is enclosed.
- A check in the amount of \$620.00 is enclosed, \$160.00 of which covers the appeal fee and \$460.00 of which covers the fee for a three-month extension of time.
- The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment to Deposit Account No. 03-0370. A duplicate copy of this sheet is enclosed.
- The Commissioner is hereby authorized to charge to Deposit Account No. 03-0370 any fees under 37 CFR 1.17 which may be required under 37 CFR 1.136(a)(3) for an extension of time in any concurrent or future reply requiring a petition for extension of time. A duplicate copy of this sheet is enclosed.

Respectfully submitted,


John T. Murphy
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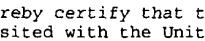
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PATENT

Our Docket: P-UW 3570

RESPONSE UNDER 37 CFR 1.116
EXPEDITED PROCEDURE
EXAMINING GROUP 1644

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of) Group Art Unit: 1644
Osborne and Ramesh)
Serial No: 09/323,738) Examiner: G. Ewoldt
Filed: June 1, 1999)
For: COMPOSITIONS AND METHODS)
FOR TREATING DIABETES)
Box AF
Commissioner for Patents
Washington, D.C. 20231)
Conf. No.: 9582
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December 31, 2002.
By: 
John T. Murphy, Reg. No. 50,583
December 3, 2002
Date of Signature

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Box AF, Commissioner for Patents, Washington, D.C., 20231 on December 31, 2002.

By: John T. Murphy, Reg. No. 50,583
December 3, 2002
Date of Signature

RESPONSE TO OFFICE ACTION

Responsive to the Office Action mailed June 3, 2002, entry of the following amendments and remarks is respectfully requested.

AMENDMENTS

In the claims

Please amend the claims as follows:

17. (Amended) A method of treating diabetes or forestalling a clinical symptom indicative of diabetes comprising implanting into an individual cells coexpressing an insulin precursor containing a proinsulin cleavage site and a glucose-